

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/076461 A1

(51) International Patent Classification⁷: **H02P 7/635**,
7/62, 21/00

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(21) International Application Number:
PCT/EP2004/001069

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(22) International Filing Date: 5 February 2004 (05.02.2004)

(25) Filing Language: English

(26) Publication Language: English

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

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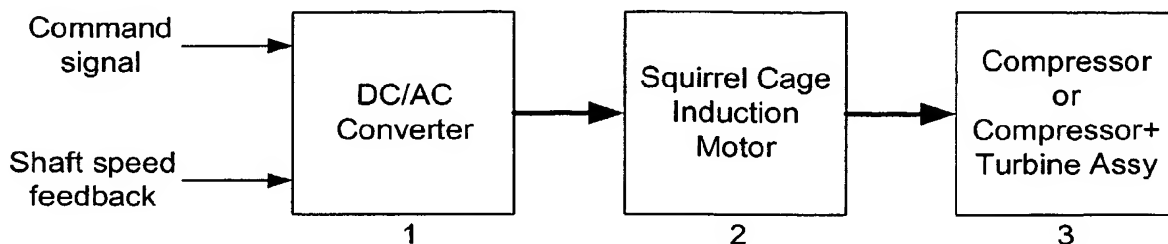
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MOTOR CONTROL AND DRIVER FOR ELECTRIC BOOSTING APPLICATION



(57) Abstract: The invention proposes a system for driving a compressor, comprising an induction motor (2) for driving the compres-
sor (3), said induction motor including a squirrel cage rotor, and a controller (1) for controlling the induction motor, said controller
comprising a memory for storing drive patterns for driving the induction motor, a first frequency generation means for generating
a field frequency based on a field command and/or a second field generation means for generating a voltage frequency based on a
voltage command, wherein a drive pattern is extracted from the memory based on the generated frequency or frequencies. Alterna-
tively, the invention proposes a system for driving a compressor, comprising an induction motor (2) for driving the compressor (3),
said induction motor including a squirrel cage rotor, and a controller (1) for controlling the induction motor, wherein the controller
is adapted to distinguish between a steady state and a transient state of the induction motor.

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